

**Application No.: 09/923,803****Docket No.: 4468-021****AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. **(currently amended)** A physical quantity display device for displaying values of a physical quantity of multiple channels with different spreading code lengths ~~signals in every predetermined channel~~ while demodulating signals onto which the channels with different spreading code lengths are multiplexed, said device comprising:

[[a]] channel storage means for storing therein both ~~display object~~ the channels to be displayed and [[said]] the respective spreading code lengths ~~length~~ of said ~~display object~~ channels;

[[a]] physical quantity calculation means for calculating the values of the physical quantity of said ~~display object~~ channels; [[and]]

[[a]] physical quantity display means for displaying the values of the physical quantity of said ~~display object~~ channels; and

threshold level comparison means for determining a size relationship between the values of the physical quantity and a predetermined threshold level;

wherein said physical quantity display means displays the values of the physical quantity of said channels while changing a display condition in accordance with the size relationship between the values of the physical quantity and the threshold level.

2. **(currently amended)** [[A]] The physical quantity display device ~~for displaying physical quantity of multiple signals~~ according to claim 1, wherein the Walsh Function is used as the spreading code, and a length of said Walsh Function is the spreading code length.

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3. (currently amended) [[A]] ~~The physical quantity display device for displaying physical quantity of multiple signals~~ according to claim 1, wherein said physical quantity display means displays the values of the physical quantity of said display object channels while arranging said ~~display object channels~~ successively on a common in turn on the same axis.

4. (currently amended) [[A]] ~~The physical quantity display device for displaying physical quantity of multiple signals~~ according to claim 1, wherein said physical quantity display means displays the values of the physical quantity while adding inherent designations designation to said ~~display object channels~~.

5. (currently amended) [[A]] ~~The physical quantity display device for displaying physical quantity of multiple signals~~ according to claim 1, wherein said physical quantity is a quantity derived from [[the]] power.

6. (currently amended) [[A]] ~~The physical quantity display device for displaying physical quantity of multiple signals~~ according to claim 1, further comprising:

[[a]] channel selection means for selecting any one of said ~~display object channels~~; and

~~a different kind~~ another physical quantity display means for displaying a value of another different kind physical quantity, which is different [[kind]] from said physical quantity, of the selected ~~display object channel~~ [[at]] in a different area within a screen on which the values of said physical quantity of said display object channels [[is]] are also displayed.

7. (currently amended) [[A]] ~~The physical quantity display device for displaying physical quantity of multiple signals~~ according to claim 6, wherein said physical quantity is a quantity derived from [[the]] power, and said another different kind physical quantity is either [[an]] error or demodulation data.

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8. (currently amended) ~~[[A]] The physical quantity display device for displaying physical quantity of multiple signals according to claim 1, wherein further comprising a Threshold Level comparison means for judging size relationship between said physical quantity and predetermined Threshold Level, wherein said physical quantity display means displays the physical quantity of said display object channels while changing display condition in accordance with the size relationship between the physical quantity and the Threshold Level~~

said physical quantity display means displays the value of the physical quantity of each of said channels using a bar, while arranging said channels successively on a common axis at even intervals; and

the bars used to display the values of the physical quantity of said channels have a common width.

9. (currently amended) A physical quantity display method for displaying values of a physical quantity of multiple channels with different spreading code lengths ~~signals in every predetermined channel~~ while demodulating signals onto which the channels with different spreading code lengths are multiplexed, said method comprising the steps of:

~~a channel storage step for storing therein both display object the channels to be displayed and [[said]] the respective spreading code lengths~~ length of said display object channels;

~~a physical quantity calculation step for calculating the values of the physical quantity of said display object channels; [[and]]~~

~~a physical quantity display step for displaying the values of the physical quantity of said display object channels; and~~

determining a size relationship between the values of the physical quantity and a predetermined threshold level;

wherein said displaying step comprises displaying the values of the physical quantity of said channels while changing a display condition in accordance with the size relationship between the values of the physical quantity and the threshold level.

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10. (currently amended) A computer-readable medium having a program of instructions for execution by ~~[[the]]~~ a computer to perform a physical quantity display process for displaying values of a physical quantity of multiple channels with different spreading code lengths ~~signals in every predetermined channel~~ while demodulating signals onto which ~~the~~ channels ~~with different spreading code lengths~~ are multiplexed, said physical quantity display process comprising:

a channel storage processing for storing ~~therein both display object the~~ channels to be displayed and ~~[[said]]~~ the respective spreading code lengths ~~length~~ of said ~~display object~~ channels;

a physical quantity calculation processing for calculating the values of the physical quantity of said ~~display object~~ channels; ~~[[and]]~~

a physical quantity display processing for displaying the values of the physical quantity of said ~~display object~~ channels; and

a threshold level comparison processing for determining a size relationship between the values of the physical quantity and a predetermined threshold level;

wherein said physical quantity display processing comprises displaying the values of the physical quantity of said channels while changing a display condition in accordance with the size relationship between the values of the physical quantity and the threshold level.

11. (new) The method according to claim 9, wherein the Walsh Function is used as the spreading code, and a length of said Walsh Function is the spreading code length.

12. (new) The method according to claim 9, wherein said displaying step comprises displaying the values of the physical quantity of said channels while arranging said channels successively on a common axis.

13. (new) The method according to claim 9, wherein said displaying step comprises displaying the values of the physical quantity while adding inherent designations to said channels.

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14. (new) The method according to claim 9, wherein said physical quantity is a quantity derived from power.

15. (new) The method according to claim 9, further comprising  
selecting any one of said channels; and  
displaying a value of another physical quantity, which is different from said physical quantity, of the selected channel in a different area within a screen on which the values of said physical quantity of said channels are also displayed.

16. (new) The method according to claim 15, wherein said physical quantity is a quantity derived from power, and said another physical quantity is either error or demodulation data.

17. (new) The method according to claim 9, wherein  
said displaying step comprises using a bar to display the value of the physical quantity of each of said channels, while arranging said channels successively on a common axis at even intervals; and  
the bars used to display the values of the physical quantity of said channels have a common width.

18. (new) The computer-readable medium according to claim 10, wherein the Walsh Function is used as the spreading code, and a length of said Walsh Function is the spreading code length.

19. (new) The computer-readable medium according to claim 10, wherein said physical quantity display process further comprises:  
a channel selection processing for selecting any one of said channels; and

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another physical quantity display processing for displaying a value of another physical quantity, which is different from said physical quantity, of the selected channel in a different area within a screen on which the values of said physical quantity of said channels are also displayed.

20. (new) The computer-readable medium according to claim 10, wherein said physical quantity display processing comprises using a bar to display the value of the physical quantity of each of said channels, while arranging said channels successively on a common axis at even intervals; and

the bars used to display the values of the physical quantity of said channels have a common width.